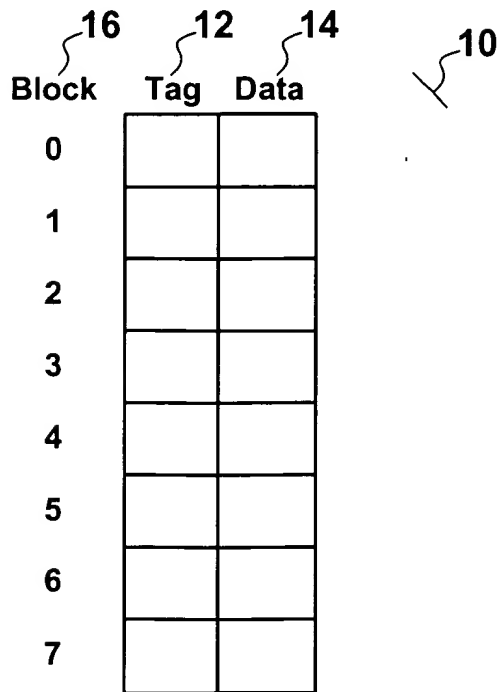
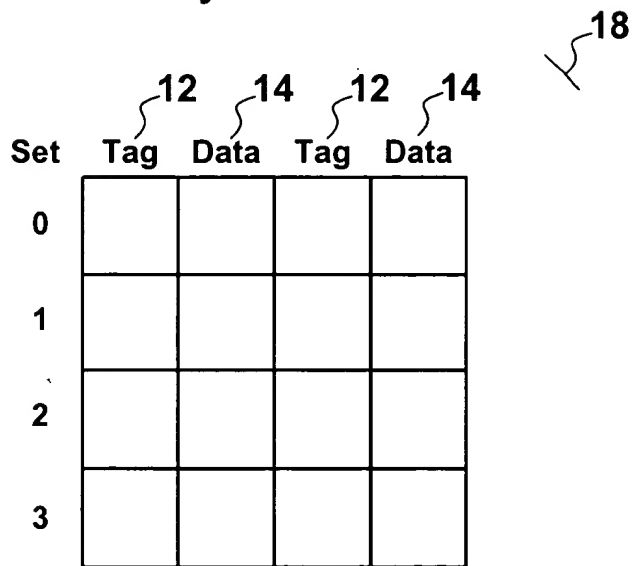


**One-Way Set Associative
(direct mapped)**



**Fig. 1A
(Prior Art)**

Two-Way Set Associative



**Fig. 1B
(Prior Art)**

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Four-Way Set Associative

20

Set	Tag	Data	Tag	Data	Tag	Data	Tag	Data
0								
1								

12 14

Fig. 1C
(Prior Art)

Eight-Way Set Associative
(fully associative)

22

Tag	Data	Tag	Data	Tag	Data	Tag	Data	Tag	Data	Tag	Data	Tag	Data	Tag	Data

12 14

Fig. 1D
(Prior Art)

24 12 14

Status	Tag	Data

Fig. 1E
(Prior Art)

FIG. 1C

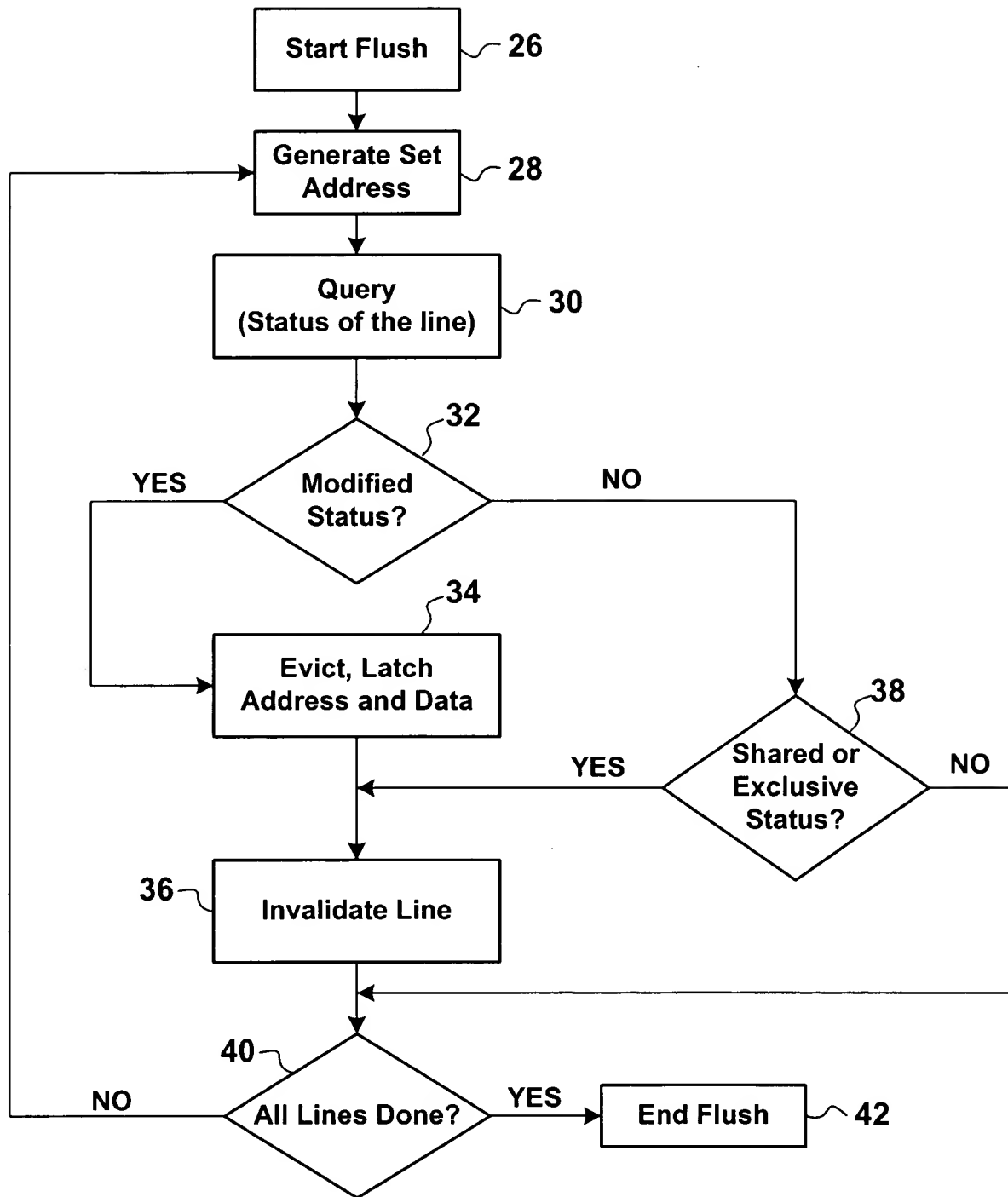


Fig. 2
(Prior Art)

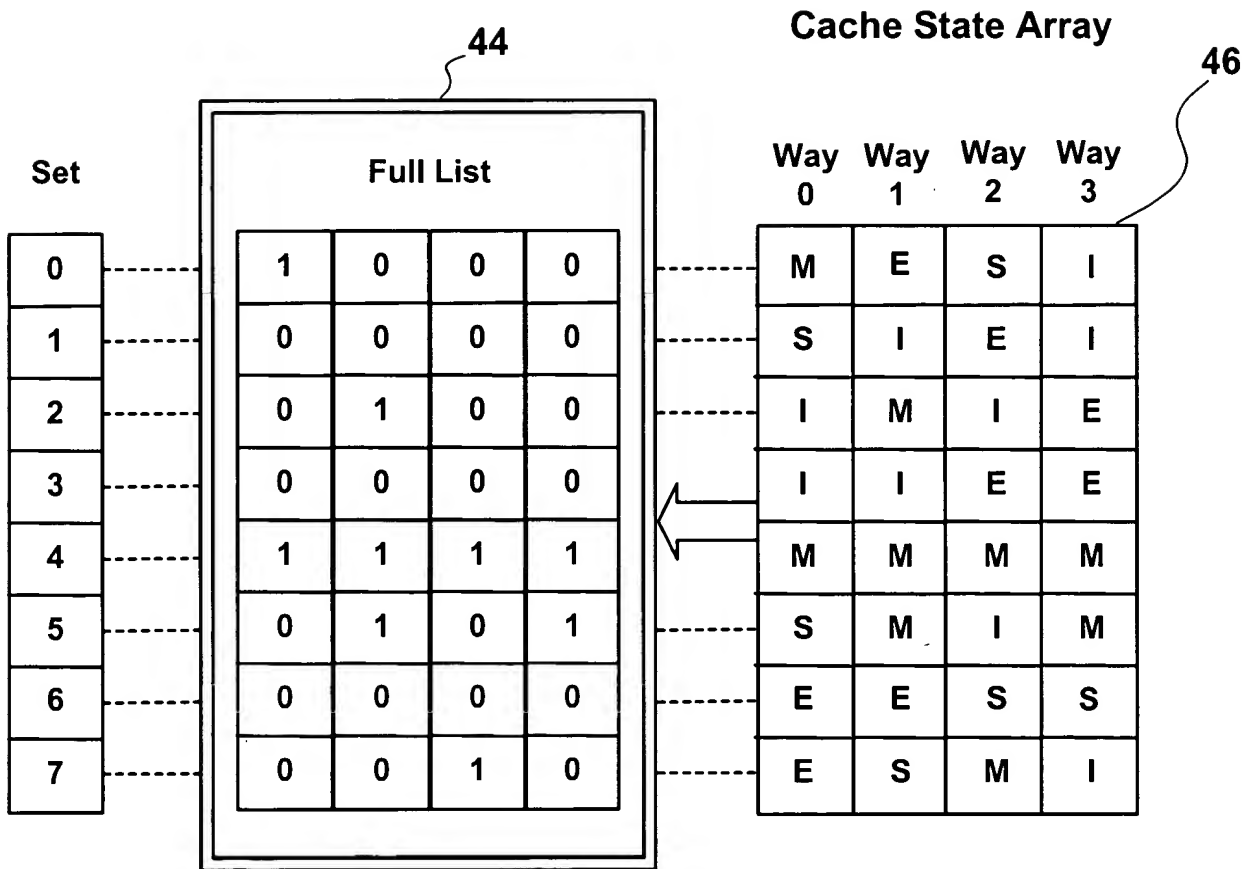
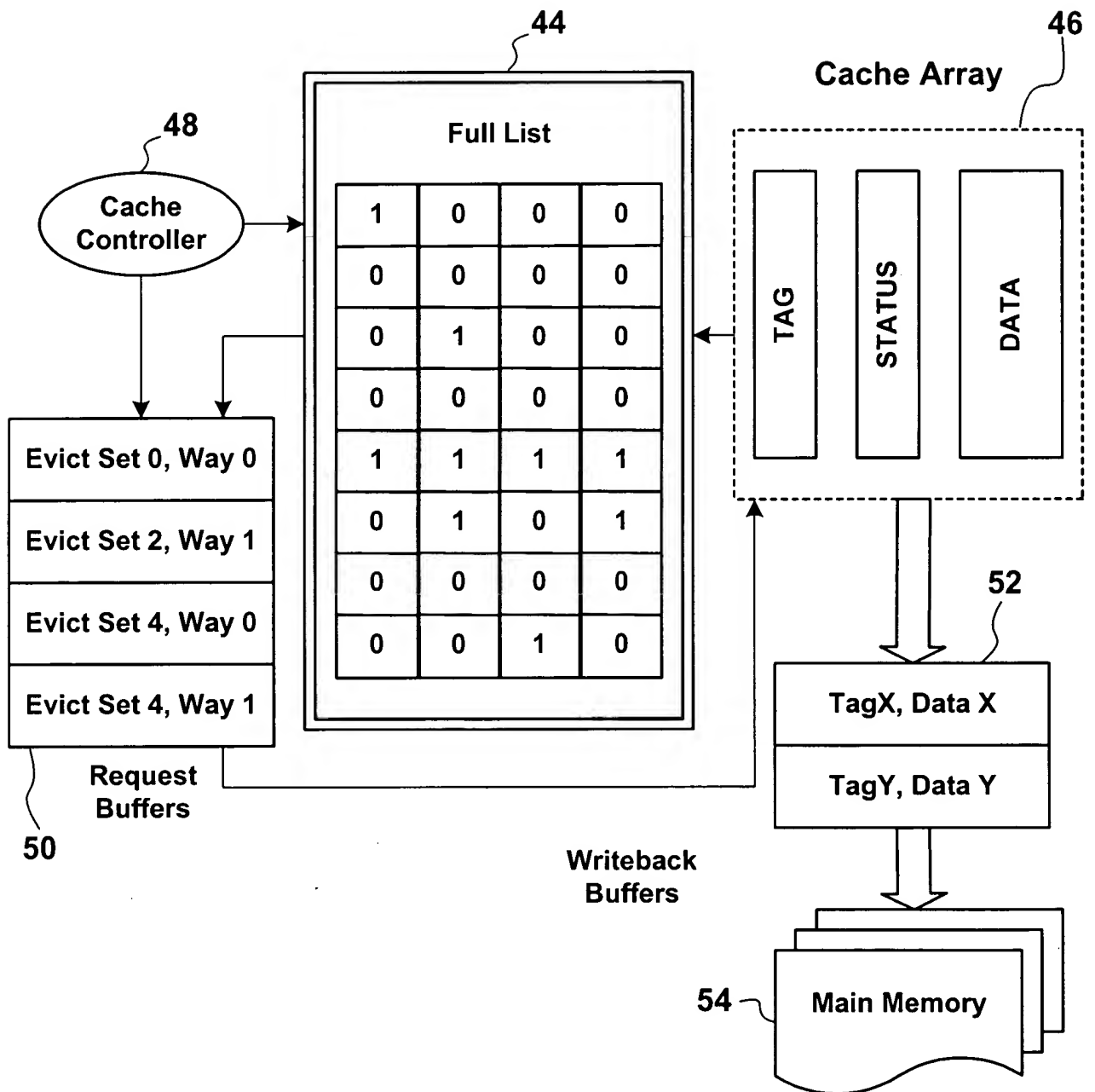
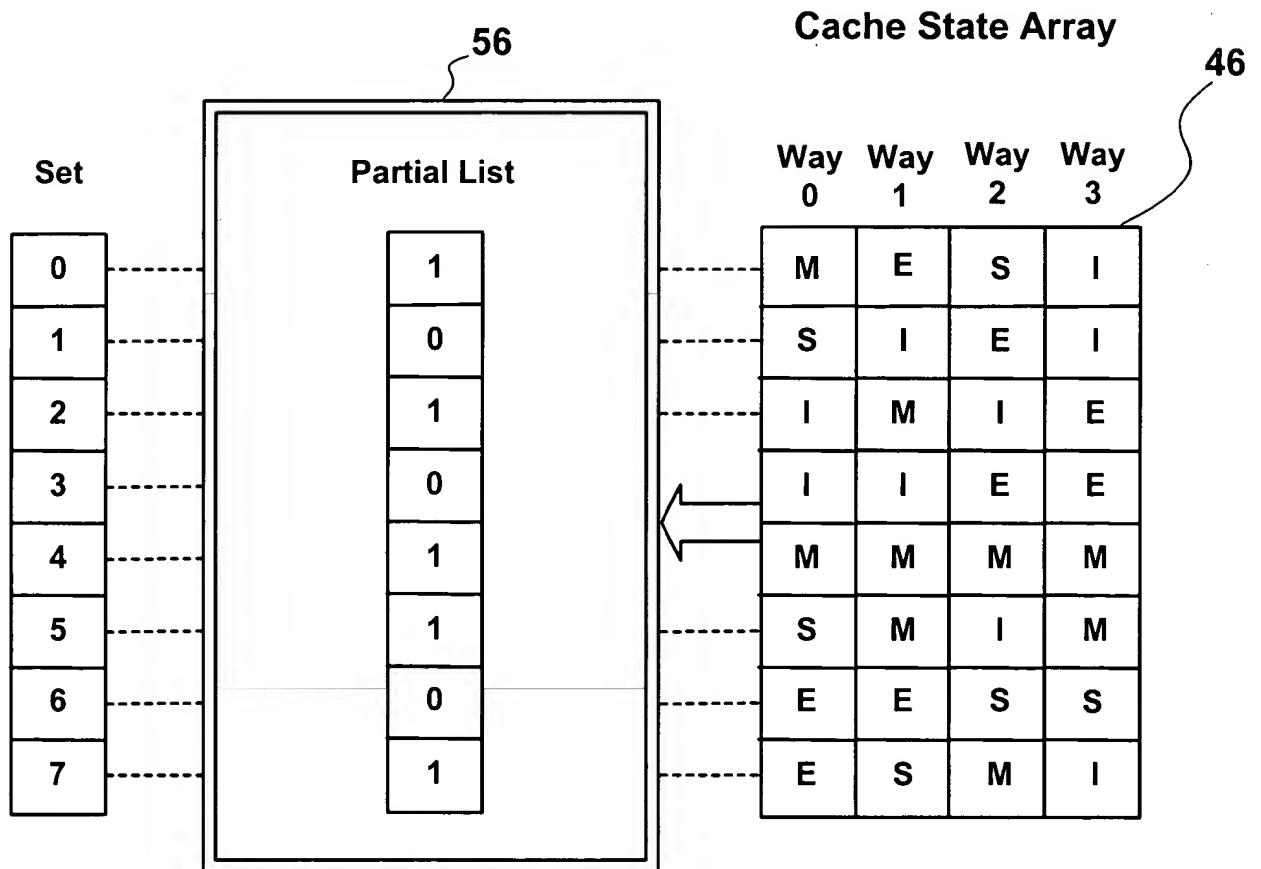
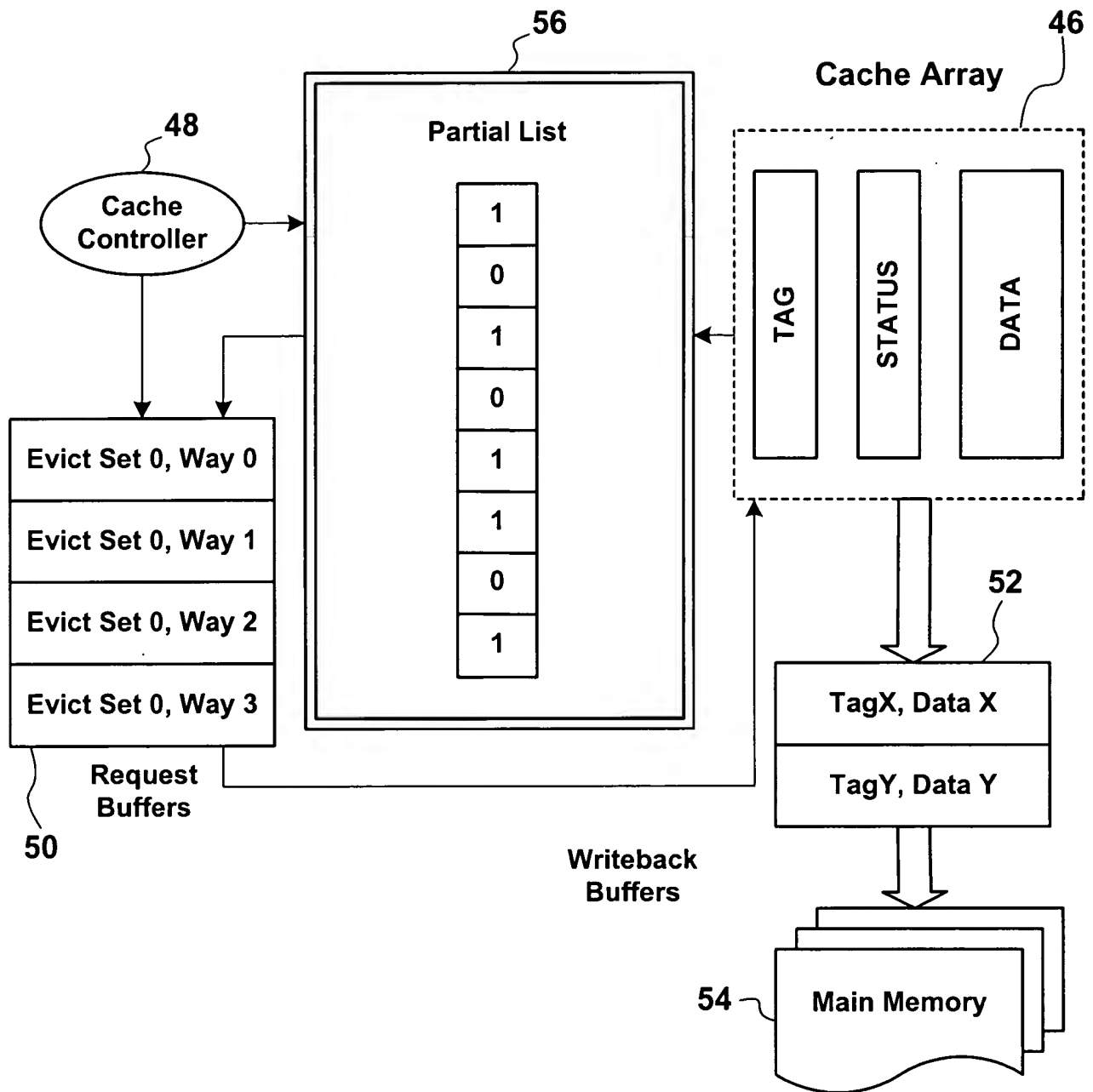
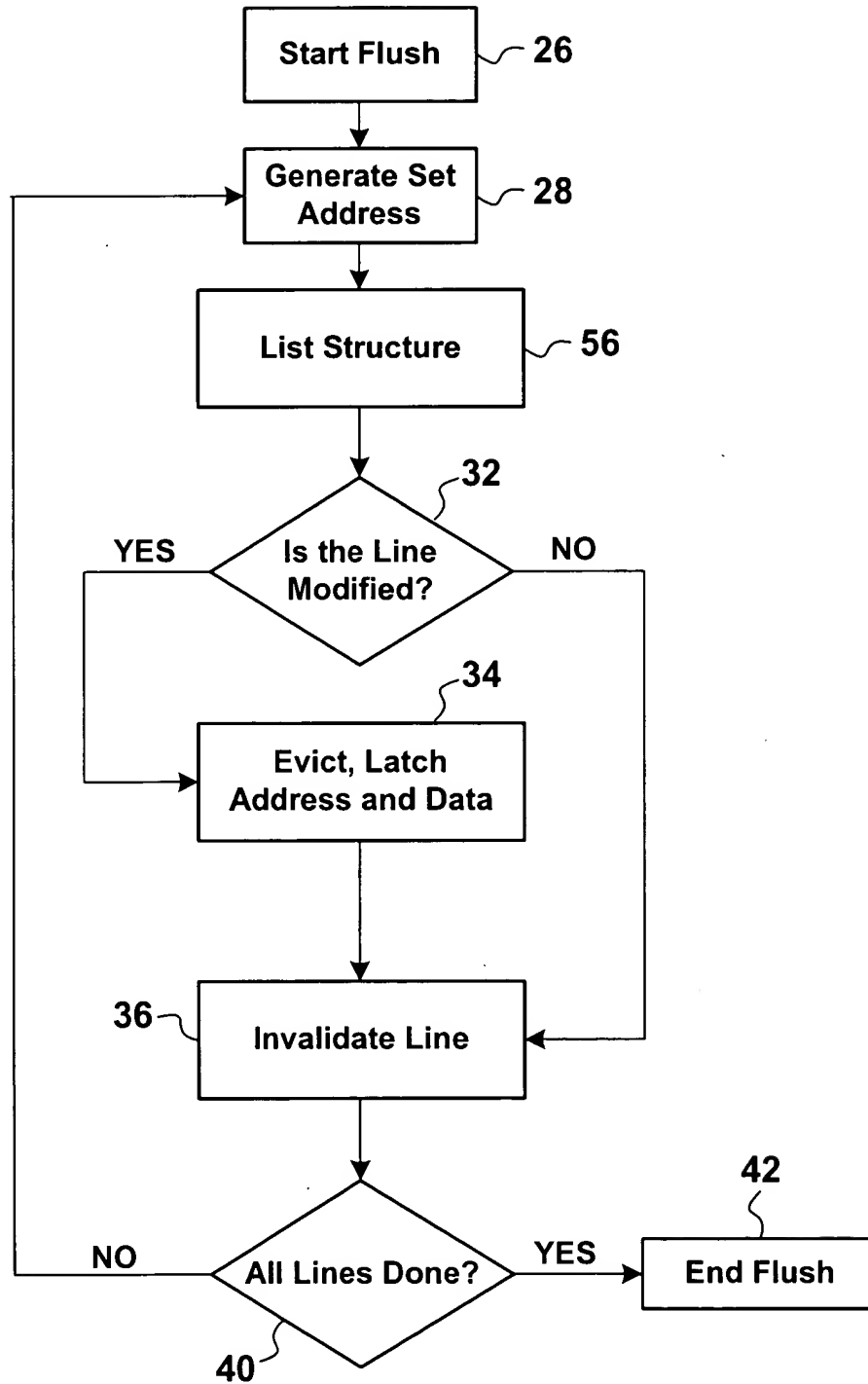


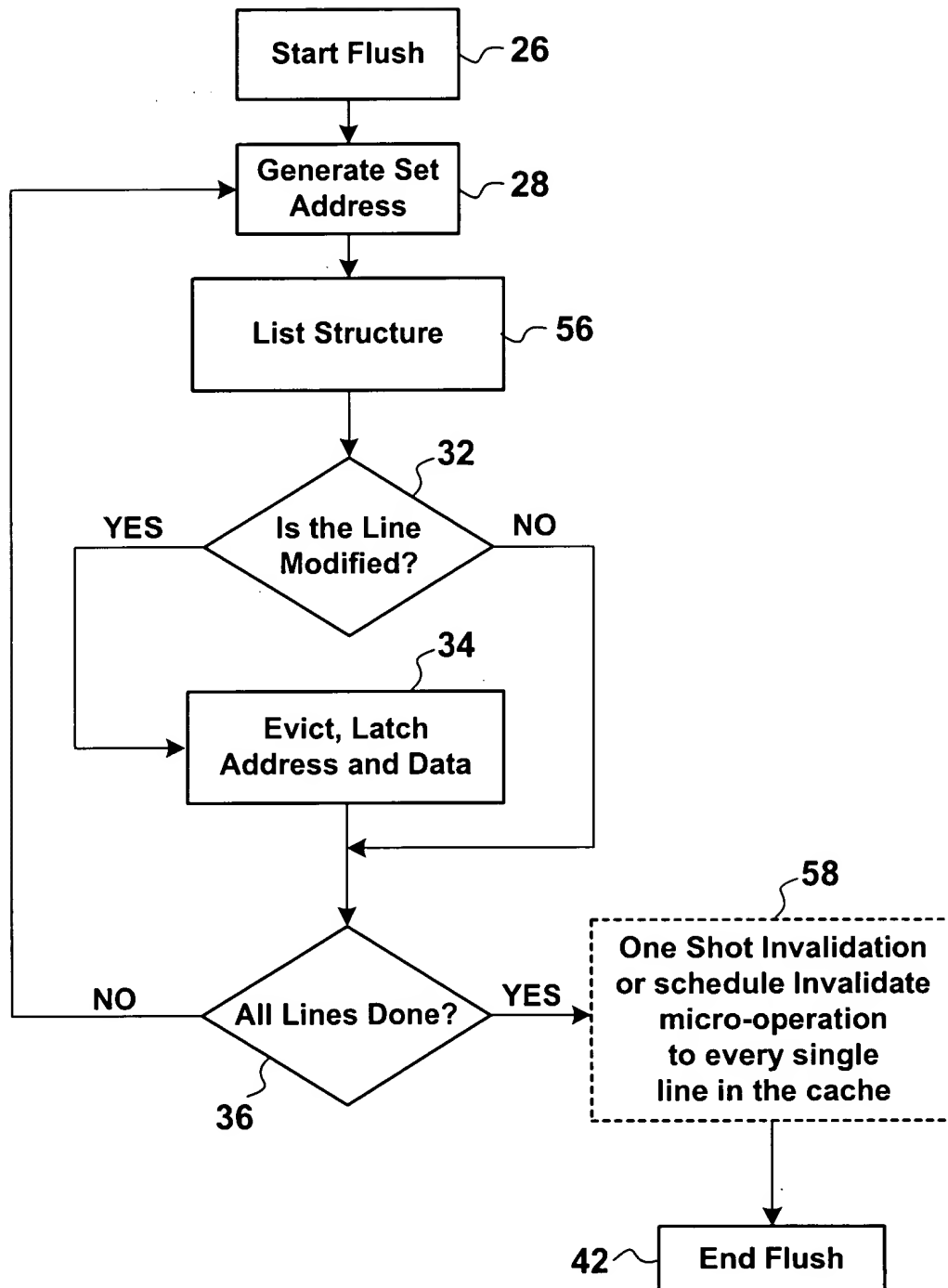
Fig. 3

**Fig. 4**

**Fig. 5**

**Fig. 6**

**Fig. 7A**

**Fig. 7B**